

Appl. No. 09/848,002
 Amdt. dated September 2, 2005
 Reply to Office Action of May 10, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please amend claims 1-3, 6-11, 13, 16, 17, and 19-20 as follows:

1. (currently amended): A computer implemented method of tracking a plurality of retail performance metric records for different types of events within a transaction and recording a transaction entry record, ~~each retail performance metric record being a function of a retail performance metric type and the time elapsed waiting for and receiving an input~~, the method comprising the steps of:

~~receiving an inputs indicative of~~ an plurality of different types of events occurring at a point of sale (POS) station during a transaction, wherein the types of events occurring at the POS station ~~is comprise~~ a scan operations, a weighing operations, a key operations, or a tender operations;

~~recording an entry record indicative of the input received at the POS station during the transaction;~~

~~recording a retail performance metric records~~ for the plurality of different types of events, ~~the each retail performance metric record being a function of the retail performance metric type~~ associating an event type and the a time elapsed waiting for and receiving an input related to performance of the event;

~~associating the retail performance metric records~~ with the a transaction entry record; and

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recording the transaction entry record indicative of the transaction, said transaction entry record associating multiple retail performance metrics for at least two different types of events occurring within the transaction~~repeating the steps of receiving an input indicative of an event occurring at the POS station during the transaction, recording a retail performance metric record, and associating for a plurality of events during the transaction.~~

2. (currently amended): The method of claim 1, wherein the associating step comprises combining the retail performance metric record with the transaction entry record.

3. (currently amended): The method of claim 1, wherein the transaction entry record includes a unique entry identifier value and the associating step comprises including the unique entry identifier field value of the transaction entry record with the retail performance metric record.

4. (original): The method of claim 1, wherein the associating step comprises adding a pointer to the retail performance metric record, wherein the pointer references the entry record.

5. (original): The method of claim 1, wherein the associating step comprises adding a link to the retail performance metric record, wherein the link references the transaction entry record.

6. (currently amended): The method of claim 2, wherein the entry record after addition of the retail performance metric record comprises an entry identifier field, an entry type field, a time of entry field, and an elapsed time field.

7. (currently amended): A computer implemented system for tracking a plurality of retail performance metric records for different types of events within a transaction, ~~each retail-~~

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~~performance metric record being a function of a retail performance metric type and the time elapsed waiting for and receiving an input, the system comprising:~~

a processor for receiving and transmitting data; and

a memory coupled to the processor, the memory having stored therein sequences of instructions which, when executed by the processor, cause the processor to receive an inputs indicative of an plurality of different types of events occurring at a point of sale (POS) station during a transaction, ~~record an entry record indicative of the input received at the POS station during the transaction, wherein the types of events occurring at the POS station iscomprise a scan operations, a weighing operations, a key operations, or a tender operations, record a retail performance metric records for the plurality of different types of events, the processor retail performance metric record being a function of the retail performance metric type associating an event type and thea time elapsed waiting for and receiving the inputrelated to performance of the event for each retail performance metric record, associateing the retail performance metric record with thea transaction entry record, and repeat the steps of receiving an input indicative of an event at the POS station during the transaction, recording a retail performance metric record, and associating for a plurality of events during the transactionrecording the transaction entry record indicative of the transaction, said transaction entry record associating multiple retail performance metrics for different types of events occurring within the transaction.~~

8. (currently amended): The system of claim 7, wherein the memory further includes sequences of instructions which, when executed by the processor, cause the processor to combine the retail performance metric record with the transaction entry record.

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9. (currently amended): The system of claim 7, wherein the memory further includes sequences of instructions which, when executed by the processor, cause the processor to include an entry identifier field in the transaction entry record and to associate the retail performance metric record with the entry record by including the entry identification field value of the transaction entry record in the retail performance metric record.

10. (currently amended): The system of claim 7, wherein the memory further includes sequences of instructions which, when executed by the processor, cause the processor to associate the retail performance metric record to the transaction entry record by adding a pointer to the retail performance metric record wherein the pointer references the transaction entry record.

11. (currently amended): The system of claim 7, wherein the memory further includes sequences of instructions which, when executed by the processor, cause the processor to associate the retail performance metric record to the transaction entry record by adding a link to the retail performance metric record wherein the link references the transaction entry record.

12. (original): The system of claim 8, wherein the entry record after combination with the retail performance metric record comprises an entry identification field, an entry type field, a time of entry field, and an elapsed time field.

13. (currently amended): A computer implemented method of tracking a plurality of retail performance metric records for different types of events within a transaction, ~~each retail performance metric record being a function of a time type category and the time elapsed waiting for and receiving an input,~~ the method comprising the steps of:

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receiving an ~~inputs~~ indieative efor an plurality of different types of events occurring at a point of sale (POS) station during a transaction, wherein the types of events occurring at the POS station iscomprise a scan operations, a weighing operations, a key operations, or a tender operations;

recording ~~an~~ transaction entry record indicative of the ~~input received at the POS station~~ during the transaction;

determining a time type categoryies of the ~~input~~events received;

recording a retail performance metric records for the plurality of different types of events, ~~theeach~~ retail performance metric record being a function of associating thea time type category and the time elapsed waiting for and receiving an ~~input~~related to performance of the event, the time type category is a time category indicating ring time, tender time, secure time, non-sales time, idle time, or no time;

associating the retail performance metric records with the time type categoryies; and

~~repeating the steps of receiving an input indicative of an event occurring at the POS station during the transaction, determining, recording the retail performance metric record, and associating for a plurality of events during the transaction~~

recording the transaction entry record indicative of the transaction, said transaction entry record associating multiple retail performance metrics for at least two different types of events occurring within the transaction.

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14. (original): The method of claim 13, wherein the associating step comprises adding a pointer to the retail performance metric record, wherein the pointer references a time type category.

15. (original): The method of claim 13, wherein the associating step comprises adding a link to the retail performance metric record, wherein the link references a time type category.

16. (currently amended): A computer implemented system for tracking a plurality of retail performance metric records for different types of events within a transaction, ~~each retail performance metric record being a function of a time type category and the time elapsed waiting for and receiving an input,~~ comprising:

a processor for receiving and transmitting data; and

a memory coupled to the processor, the memory having stored therein sequences of instructions which, when executed by the processor, cause the processor to receive an inputs ~~indicative of~~ a plurality of different types of events occurring at a point of sale (POS) station during a transaction, wherein the types of events occurring at the POS station during the transaction ~~is comprise~~ a scan operation, a weighing operation, a key operation, ~~or~~ and a tender operation, the processor recording an transaction entry record indicative of the input received at the POS station during the transaction, determineing the time type categoryies of the input events received, recording a retail performance metric records for the plurality of different types of events, ~~the retail performance metric record being a function of the~~ associating a time type category and the time elapsed waiting for and receiving the input related to performance of the event for each retail performance metric record, wherein the time type category is a time category

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indicating ring time, tender time, secure time, non-sales time, idle time, or no time, the processor
associateing the retail performance metric records with the time type categoryies, and repeat the
steps of receiving an input indicative of an event occurring at the POS station during the
transaction, determining the time type category of the input received, recording the retail
performance metric record, and associating for a plurality of events during the transaction
recording the transaction entry record indicative of the transaction, said transaction entry record
associating multiple retail performance metrics for at least two different types of events occurring
with the transaction.

17. (currently amended): The system of claim 16, wherein the memory further includes sequences of instructions which, when executed by the processor, cause the processor to associate ~~the~~each retail performance metric record to the time type category by adding a pointer to the retail performance metric record wherein the pointer references the time type category.

18. (original): The system of claim 16, wherein the memory further includes sequences of instructions which, when executed by the processor, cause the processor to associate the retail performance metric record to the time type category by adding a link to the retail performance metric record wherein the link references the time type category.

19. (currently amended): A computer implemented method of tracking a plurality of retail performance metric records for different types of events within a transaction, ~~each retail performance metric record being a function of a retail performance metric type, a time type category and the time elapsed waiting for and receiving an input,~~ the method comprising the steps of:

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~~receiving an input indicative of a plurality of different types of events occurring at a point of sale (POS) station during a transaction, wherein the types of events occurring at the POS station is comprised of scan operations, a weighing operations, a key operations, or a tender operations;~~

~~recording a transaction entry record indicative of the input received at the POS station during a transaction;~~

~~determining a time type categories of the input received;~~

~~recording a retail performance metric; records for the plurality of different types of events, the each retail performance metric record being a function of associating the retail performance metric type, the time type category and the time elapsed waiting for and receiving an input related to performance of the event, the time type category is a time category indicating ring time, tender time, secure time, non-sales time, idle time, or no time;~~

~~associating the retail performance metric records with the transaction entry record and with the time type categories; and~~

~~repeating the steps of receiving an input indicative of an event occurring at the POS station during the transaction, determining a time type category of the input received, recording the retail performance metric record, and associating for a plurality of events during the transaction~~

recording the transaction entry record indicative of the transaction, said transaction entry record associating multiple retail performance metrics for at least two different types of events occurring within the transaction.

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20. (currently amended): A computer implemented system for tracking a plurality of retail performance metric records for different types of events within a transaction, ~~each retail performance metric record being a function of a retail performance metric type, a time type category and the time elapsed waiting for and receiving the input, the system~~ comprising:

a processor for receiving and transmitting data; and

a memory coupled to the processor, the memory having stored therein sequences of instructions which, when executed by the processor, cause the processor to receive inputs ~~indicative of~~ an plurality of different types of events occurring at a point of sale (POS) station during a transaction, wherein the types of events occurring at the POS station during a transaction ~~is comprise~~ a scan operation, a weighing operation, a key operation, ~~or~~ and a tender operation, ~~the processor recording an transaction entry record indicative of the input received at the POS station during the transaction, determineing the time type categoryies of the input events received, recording a retail performance metric records for the plurality of different types of events, the retail performance metric record being a function of the associating a retail performance metric type, the a time type category and the time elapsed waiting for and receiving the input related to performance of the event for each retail performance metric record, wherein the time type category is a time category indicating ring time, tender time, secure time, non-sales, idle time and no time, the processor associateing the retail performance metric records with the time type categoryies and the entry record, and repeating the steps of receiving an input indicative of an event occurring at the POS station during the transaction, determining a time type category of the input received, recording the retail performance metric record, and associating for a plurality of~~

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events during the transaction recording the transaction entry record indicative of the transaction,
said transaction entry record associating multiple retail performance metrics for at least two
different types of events occurring with the transaction.